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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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10/031,859	02/26/2002	Joseph Altin	EM436365176US	8566	
7	590 10/05/20	EXAMINER			
Dorsey & Wh	itney	WEHBE, ANNE MARIE SABRINA			
250 Park Aven	ue				
New York, NY	7 10177	ART UNIT	PAPER NUMBER		
		1632			
		DATE MAILED: 10/05/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No	<u> </u>	Applicant(s)				
Office Action Summary				,.	ALTIN ET AL.				
			10/031,859 Examiner		Art Unit				
	-		Anne Marie S.	Webbe	1632	,			
The MAILIN	NG DATE of this commu	nication app				Idress			
Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1) Responsive	to communication(s) fil	ed on							
2a) This action i									
3)☐ Since this a _l	pplication is in condition				secution as to the	e merits is			
closed in ac	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims	s								
4)⊠ Claim(s) <u>1-39</u> is/are pending in the application.									
4a) Of the above claim(s) is/are withdrawn from consideration.									
5) Claim(s)	5) Claim(s) is/are allowed.								
	is/are rejected.								
	is/are objected to.					·			
8)⊠ Claim(s) <u>1-3</u>	89 are subject to restrict	ion and/or e	election requirer	nent.					
Application Papers									
9) The specifica	ation is objected to by th	ne Examiner	•						
10) The drawing	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or o	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S	.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 									
application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.									
Attachmo=4/=)									
Attachment(s) 1) Notice of References	Cited (PTO-802)		٨٢	Intoniou Su	(DTO 442)				
2) Notice of Draftspersor	n's Patent Drawing Review (F	PTO-948)		Interview Summary (Paper No(s)/Mail Da	te	•			
 Information Disclosure Paper No(s)/Mail Date 	e Statement(s) (PTO-1449 or	· PTO/SB/08)	.5) <u> </u>		atent Application (PTC)-152)			

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Election/Restriction

This application contains claims 1-39 are directed to more than one species of "membranes" of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1. The species are as follows:

- a) intact cells
- b) biological membranes that are not intact cells or liposomes
- c) liposomes
- d) synthetic membranes that are not liposomes.

Please note that all of claims 1-39 appear to be generic to the species listed above.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: cells comprise many structural elements and biological properties not shared with liposomes, synthetic membranes or membranes that may be derived from a cell; further, cells cannot be made and must be isolated from a living organism, whereas synthetic membranes and liposomes can be generated in a test tube. In addition, the chemical components of each species can comprise substantially different elements. As such, the search for each species is not co-extensive and would place an undue burden on the examiner.

This application contains claims 1-39 are directed to more than one species of molecules that interact with the metal chelating group of the amphiphilic molecules in the membranes of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1. The species are as follows:

- e) VEGF
- f) CD40
- g) B7
- h) EPOR

The claims are deemed to correspond to the species listed above in the following manner: Claims 18-20 and 34 correspond to a) VEGF; claims 22, 36, and 38 correspond to CD40 or B7. The following claim(s) are generic: claims 1-21, 23-35, 37, and 39.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: VEGF, B7, CD40, and EPOR are all substantially different proteins, with different structural, chemical, and biological properties, which bind to substantially different protein partners, and which have substantially different functions.

This application contains claims 1-39 are directed to more than one species of membrane encapsulated active materials/agents/drugs. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1. The species are as follows:

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- i) DNA
- j) RNA
- k) cytotoxic drugs
- 1) proteins

The claims are deemed to correspond to the species listed above in the following manner: claims 19-20 correspond to cytotoxic drugs. The following claim(s) are generic: Claims 1-18, and 21-39 are generic.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: RNA, DNA, a protein, and a cytotoxic drug represent genuses of molecules that are substantially different in chemical, physical, structural, and functional properties.

Applicant is required, in reply to this action, to elect a single species from <u>each</u> of groups a)-d), e)-h), and i)-l) to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after

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the election, applicant must indicate which are readable upon the elected species. MPEP §

809.02(a).

Applicant is advised that the reply to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed (37 CFR

1.143).

Any inquiry concerning this communication from the examiner should be directed to

Anne Marie S. Wehbé, Ph.D., whose telephone number is (571) 272-0737. The examiner can be

reached Monday- Friday from 10:30-7:00 EST. If the examiner is not available, the examiner's

supervisor, Amy Nelson, can be reached at (571) 272-0804. For all official communications, the

technology center fax number is (703) 872-9306. For informal, non-official communications

only, the examiner's direct fax number is (571) 273-0737.

Dr. A.M.S. Wehbé

NNE M. WEHBE' PH.D PRIMARY EXAMINER